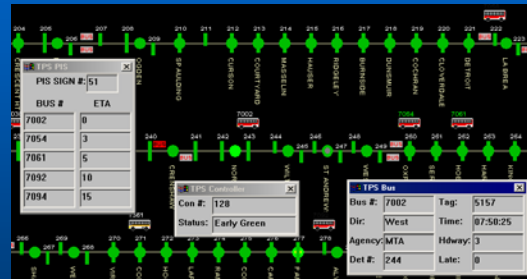


LADOT'S Innovative Transit Priority System (TPS) for Metro Rapid Buses and Orange Line



Presentation at SCAG's Regional Transit Summit on March 20, 2008



By:

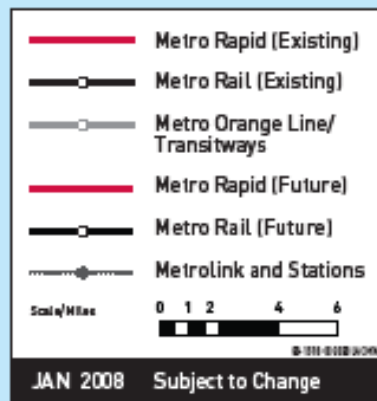
Rita Robinson, General Manager
Kang Hu, Sr. Transportation Engineer



LADOT's Transit Priority System (TPS)

- **An innovative state-of-the-art program fully developed by LADOT staff**
- **Reduce bus delays at traffic lights with minimal impacts on cross streets**
- **Fully integrated with the City's Automated Traffic Surveillance and Control System (ATSAC)**
- **Provide real-time bus arrival information**
- **Collect bus performance data**
- **Completed 18 Metro Rapid lines and Orange Line**
- **Will finish 27 Metro Rapid lines by December 2008**

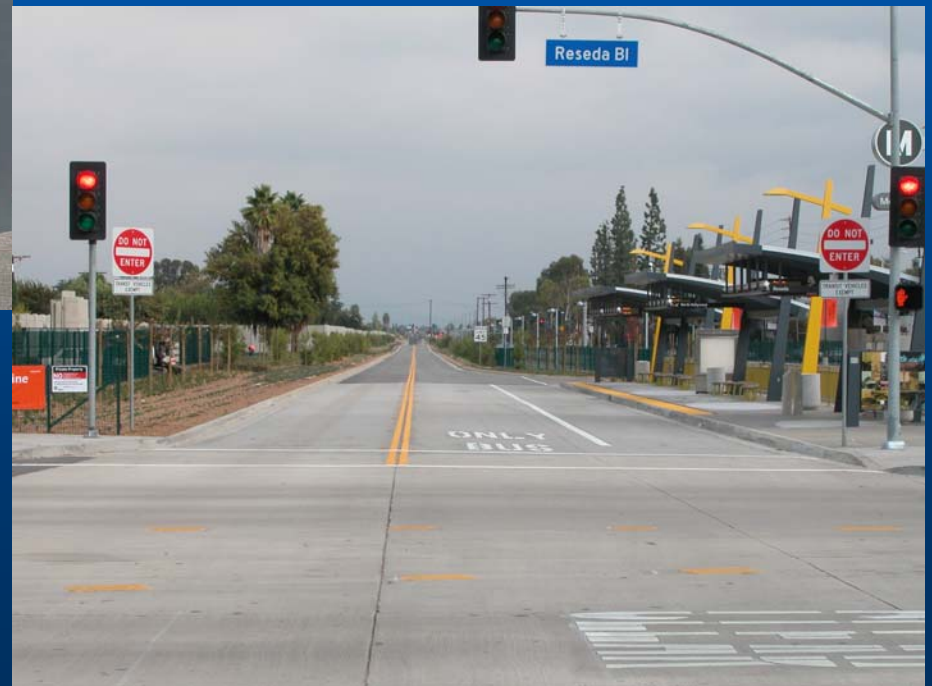
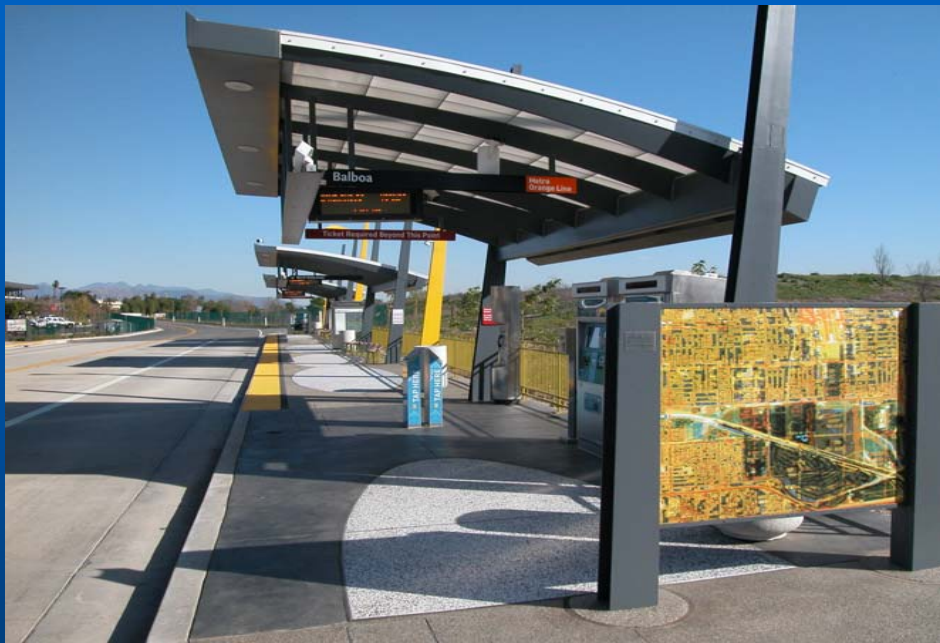
Metro Rapid



Metro Orange Line Busway



Metro Orange Line Station and Crossing



TPS Performance Measures

- The Metro Rapid Buses achieved 25% reduction in total travel time
- Transit Priority System alone contributed to 1/3 of the 25% travel time saving
- Bus delays at traffic lights were reduced by 33-39%
- Minimal impacts on cross street traffic

Bus Loop and Transponder



Transponder

LADOT'S ATSAC Control Center

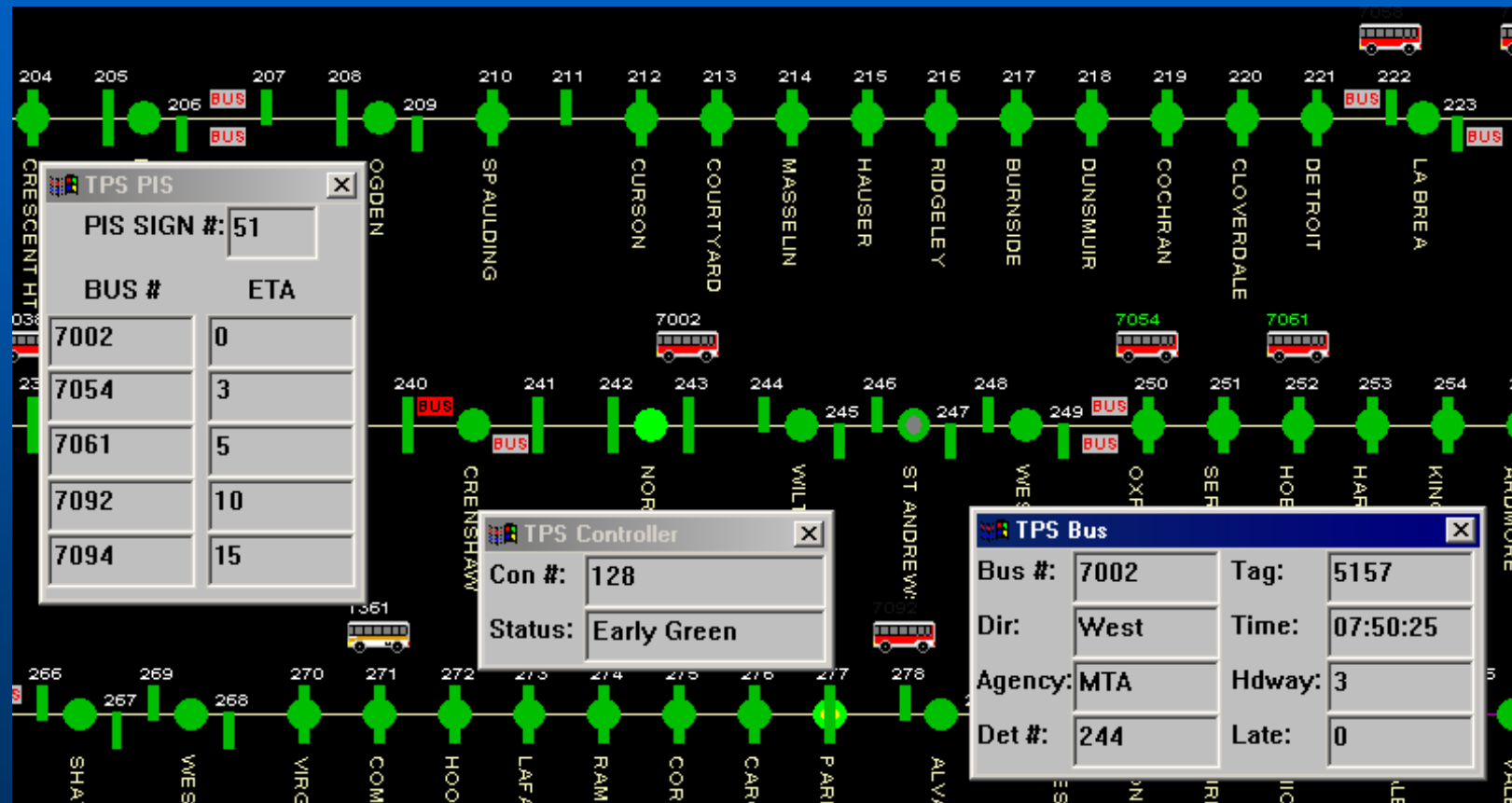


MTA'S Bus Dispatch Center

- Monitor bus performance
- Radio communication with bus operators
- Real time bus data provided by LADOT
- ATSAC video & camera control access



TPS Map Client Software



Passenger Information System

- Developed by LADOT
- Based on bus detection
- Uses actual travel time
- Accurate to 1 min



Mobile Internet Passenger Systems

www.rapidbus.net

